L Number	Hits	Search Text	DB	Time stamp
1	0	(257/678 or 257/688 or 257/689 or 257/690)	USPAT;	2004/05/06 20:04
		and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
2	12		USPAT;	2004/05/06 19:51
		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		(077, 1670 057, 1600 057, 1600 057, 1600)	IBM_TDB	0004/05/06 10 50
3	13		USPAT;	2004/05/06 19:53
1		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
	1.0	(257/00 am 257/01 am 257/02 am 257/02)	IBM_TDB	2004/05/06 10.55
4	16	(257/80 or 257/81 or 257/82 or 257/83) and	USPAT; US-PGPUB;	2004/05/06 19:55
		((LED or laser or light near (emit\$4 or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		(spring of microspring of micro-spring),	IBM TDB	
5	9	(257/84 or 257/85 or 257/86 or 257/87 or	USPAT;	2004/05/06 19:57
٦	9	257/88) and ((LED or laser or light near	US-PGPUB;	2004/03/00 13.37
		(emit\$4 or emission) or light near source)	EPO; JPO;	
		with (spring or microspring or	DERWENT;	
		micro-spring))	IBM TDB	
6	15		USPAT;	2004/05/06 19:59
		257/431) and ((LED or laser or light near	US-PGPUB;	
		(emit\$4 or emission) or light near source)	EPO; JPO;	
		with (spring or microspring or	DERWENT;	
		micro-spring))	IBM TDB	
7	9	(257/433 or 257/448 or 257/457 or 257/459)	USPAT;	2004/05/06 20:01
		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
	_		IBM_TDB	
8	8	(257/696 or 257/700 or 257/414 or 257/415)	USPAT;	2004/05/06 20:01
		and ((LED or laser or light near (emit\$4	US-PGPUB;	
		or emission) or light near source) with	EPO; JPO;	
		(spring or microspring or micro-spring))	DERWENT;	
		/257/606 or 257/700 or 257/414 or 257/415\	IBM_TDB	2004/05/06 20:02
9	0	(257/696 or 257/700 or 257/414 or 257/415) and (electroluminescen\$2 or	USPAT; US-PGPUB;	2004/03/06 20:02
		and (electroluminescen\$2 or electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-receivas of photo-voltate of photo-electric\$4 or opto near electri\$6 or		
	[opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
10	0	l	USPAT;	2004/05/06 20:03
		and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)	L	L

11	1	(257/91 or 257/99 or 257/100 or 257/290 or	USPAT;	2004/05/06 20:03
		257/431) and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM_TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
12	0	(257/84 or 257/85 or 257/86 or 257/87 or	USPAT;	2004/05/06 20:04
		257/88) and (electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM TDB	
		photo-receiv\$3 or photo-voltaic or	_	
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
13	0		USPAT;	2004/05/06 20:04
	_	(electroluminescen\$2 or	US-PGPUB;	
		electro-luminescen\$2 or photo near	EPO; JPO;	
		(detec\$4 or receiv\$3 or voltaic or	DERWENT;	
		electric\$4) or photo-detect\$4 or	IBM TDB	
		photo-receiv\$3 or photo-voltaic or		
		photo-electric\$4 or opto near electri\$6 or		
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
_	248870	(semiconductor or die or chip or IC) and	USPAT	2004/05/04 14:47
	210070	(LED or laser or light near emit\$4 or	001111	2001,00,01 21111
		sensor or detector)		
_	39883	(semiconductor or die or chip or IC) and	USPAT	2004/05/04 14:48
	3,000	(LED or laser or light near emit\$4 or	001711	2004/03/04 14.40
		light near source) same (sensor or		
		detector)		
_	1138	(semiconductor or die or chip or IC) and	USPAT	2004/05/04 19:47
	1130	(LED or laser or light near emit\$4 or	001111	2004,03,04 13.41
		light near source) same (sensor or		
		detector) with (spring or microspring or		
		micro-spring or wir\$3)		
_	205		USPAT	2004/05/05 16:24
_	203	(LED or laser or light near emit\$4 or	USTRI	2004/05/05 10.24
		light near source) same (sensor or		
		detector) with (spring or microspring or		
		micro-spring)		
	264		USPAT;	2004/05/05 17:37
·	204	microspring or micro-spring)	US-PGPUB;	2004/03/03 17.37
		microspining or micro-spining)	EPO; JPO;	ĺ
			DERWENT;	
			IBM TDB	
	25058	/IED or lagor or light noon /omite/ or	USPAT;	2004/05/05 17:38
-	25058	(LED or laser or light near (emit\$4 or	USPAT; US-PGPUB;	2004/03/03 17:38
		emission) or light near source) same		
		(spring or microspring or micro-spring)	EPO; JPO;	
			DERWENT;	
	05.01	(IED on lagon on light many (amitted as	IBM_TDB	2004/05/05 18:22
-	9561	(LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:22
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring)	EPO; JPO;	
			DERWENT;	
		(TDD 1 11 11 1 11 11	IBM_TDB	0004/05/05 50 55
-	684	(LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:00
		emission) or light near source) with	US-PGPUB;	
		(sensor or detector) with (spring or	EPO; JPO;	
		microspring or micro-spring)	DERWENT;	
 			IBM_TDB	<u> </u>

-	88	(electroluminescen\$2 or	USPAT;	2004/05/05 18:08
		electro-luminescen\$2 or photo near	US-PGPUB;	
		(detec\$4 or receiv\$3 or voltaic or	EPO; JPO;	
		electric\$4) or photo-detect\$4 or	DERWENT;	
		photo-receiv\$3 or photo-voltaic or	IBM TDB	
		photo-electric\$4 or opto near electri\$6 or	_	
		opto-electric\$6) with (sensor or detector)		
		with (spring or microspring or		
		micro-spring)		
_	261	(electroluminescen\$2 or	USPAT;	2004/05/05 18:08
		electro-luminescen\$2 or photo near	US-PGPUB;	
		(detec\$4 or receiv\$3 or voltaic or	EPO; JPO;	
		electric\$4) or photo-detect\$4 or	DERWENT;	
		photo-receiv\$3 or photo-voltaic or	IBM TDB	
		photo-electric\$4 or opto near electri\$6 or	_	
		opto-electric\$6) with (spring or		
		microspring or micro-spring)		
_	134	((LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:28
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 257/\$.ccls.	DERWENT;	
			IBM TDB	
-	50	((LED or laser or light near (emit\$4 or	USPAT;	2004/05/05 18:31
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 257/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
	•		IBM_TDB	
-	17		USPAT;	2004/05/05 18:33
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 438/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
			IBM_TDB	
-	27	, · · · · · · · · · · · · · · · · · · ·	USPAT;	2004/05/05 18:35
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 361/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
	_		IBM_TDB	
-	7	1 (1	USPAT;	2004/05/05 18:35
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 174/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
			IBM_TDB	0004/05/05 10 55
_	49		USPAT;	2004/05/05 18:36
		emission) or light near source) with	US-PGPUB;	
		(spring or microspring or micro-spring))	EPO; JPO;	
		and 29/\$.ccls. and (sens\$3 or detect\$3)	DERWENT;	
			IBM TDB	1